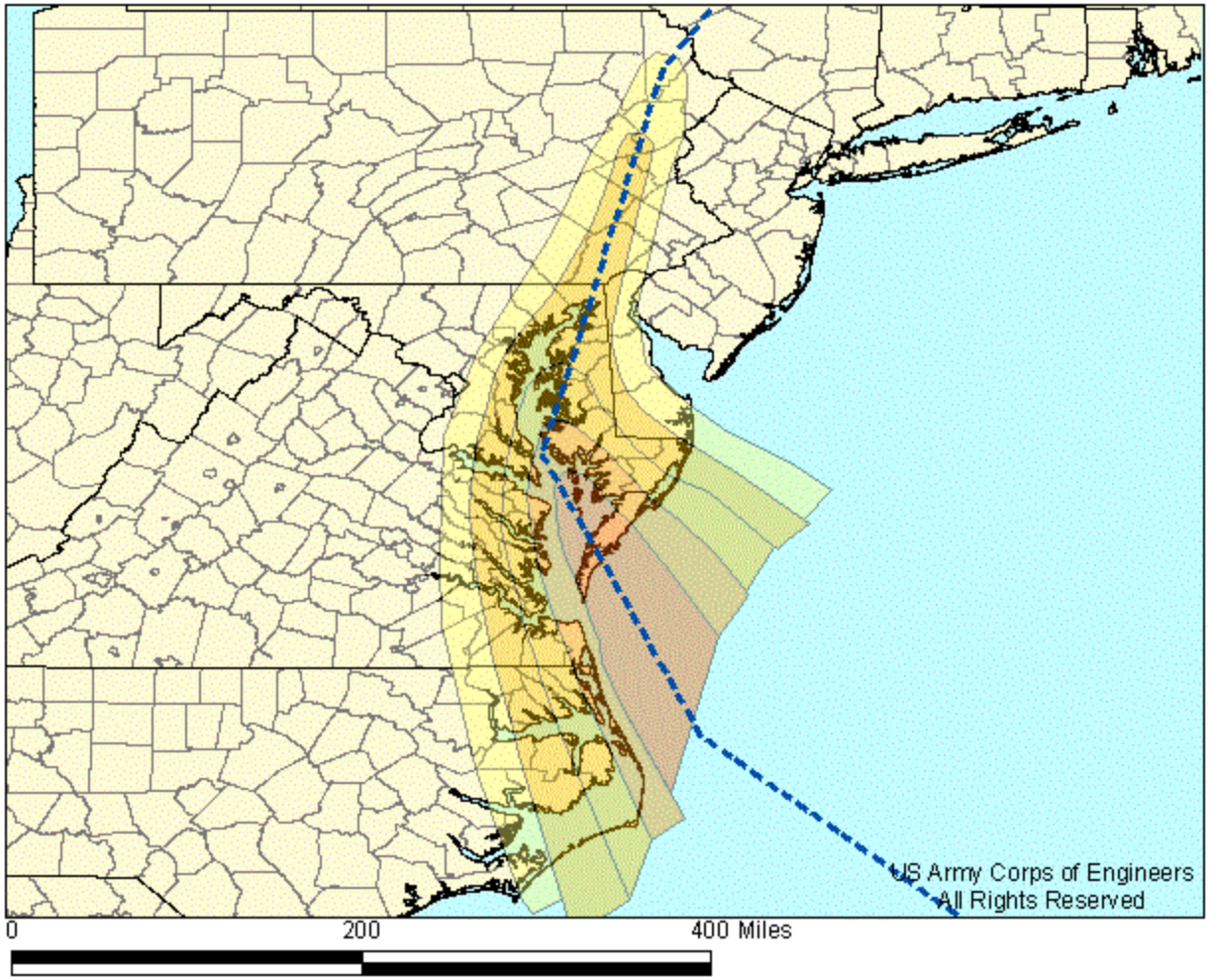
Hurricane Zoe 2008 Projected Damage Areas

US Army Corps of Engineers

Landfall Expected In About **24** Hours

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 3 storm making landfall on Virginia Coast.

Forecast Track

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

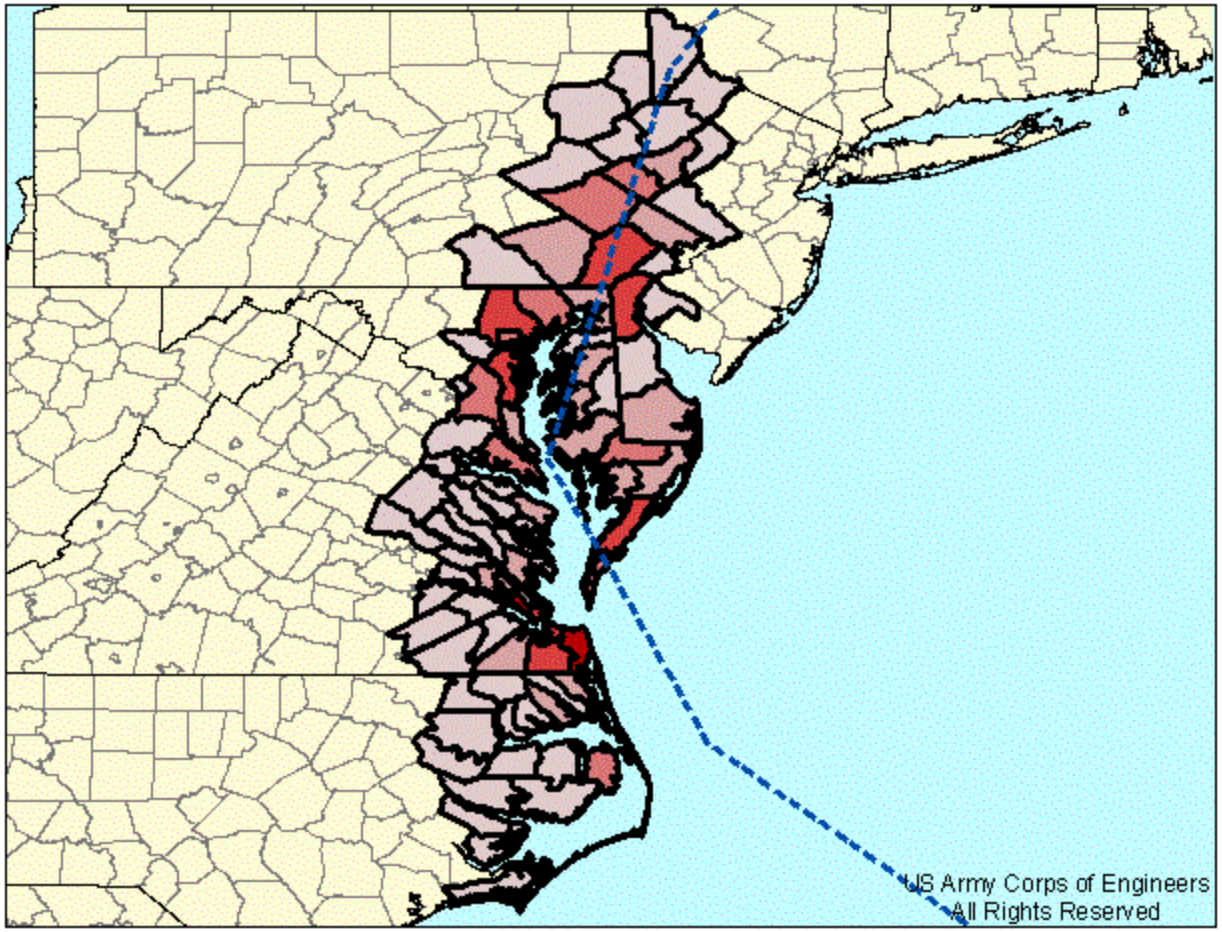
Hurricane Zoe 2008 Projected Damage Areas	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 32

US Army Corps of Engineers

Hurricane Zoe 2008 Debris Model

Landfall Expected In About **24** Hours

For Planning Purposes Only!



Post Landfall Debris Model Results

Virginia - 11,382,000 Yards
Maryland - 4,906,000 Yards
Pennsylvania - 1,962,000 Yards
Delaware - 880,000 Yards
North Carolina - 743,000 Yards
DC - 37,000 Yards
New Jersey - 9,000 Yards

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Forecast Track

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Debris Model	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	Page 2 of 32

US Army Corps of Engineers

Hurricane Zoe 2008 Debris Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Yards per State	County	Yards per County
Delaware		Kent	83,000
		New Castle	557,000
		Sussex	240,000
Delaware	880,000		
District of Columbia		District of Columbia	37,000
District of Columbia	37,000		
Maryland		Anne Arundel	830,000
		Baltimore	633,000
		Baltimore City	472,000
		Calvert	230,000
		Caroline	64,000
		Cecil	167,000
		Charles	90,000
		Dorchester	219,000
		Harford	333,000
		Howard	64,000
		Kent	35,000
		Prince George's	452,000
		Queen Anne's	122,000
		Somerset	244,000
		St Mary's	310,000
		Talbot	152,000
		Wicomico	322,000
		Worcester	167,000
Maryland	4,906,000		
New Jersey		Salem	9,000
		Warren	< 1,000
New Jersey	9,000		

State	Yards per State	County	Yards per County
North Carolina		Beaufort	9,000
		Bertie	10,000
		Camden	35,000
		Carteret	5,000
		Chowan	17,000
		Currituck	148,000
		Dare	295,000
		Gates	16,000
		Hertford	11,000
		Hyde	19,000
		Martin	< 1,000
		Pamlico	3,000
		Pasquotank	117,000
		Perquimans	26,000
		Tyrrell	16,000
		Washington	16,000
North Carolina	743,000		
Pennsylvania		Berks	309,000
		Bucks	21,000
		Carbon	49,000
		Chester	512,000
		Delaware	32,000
		Lackawanna	9,000
		Lancaster	113,000
		Lehigh	437,000
		Luzerne	< 1,000
		Monroe	94,000
		Montgomery	184,000

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

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Hurricane Zoe 2008 Debris Model

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Siemsen, LRL 1130 EDT 05/06/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Debris Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Yards per State	County	Yards per County
Pennsylvania		Northampton	163,000
(continued)		Pike	6,000
		Schuylkill	4,000
		Wayne	23,000
		York	6,000
Pennsylvania	1,962,000		
Virginia		Accomack	610,000
		Caroline	< 1,000
		Charles City	4,000
		Chesapeake city	758,000
		Essex	16,000
		Franklin City	6,000
		Gloucester	134,000
		Hampton City	581,000
		Hanover	< 1,000
		Isle Of Wight	51,000
		James City	113,000
		King And Queen	13,000
		King George	6,000
		King William	11,000
		Lancaster	69,000
		Mathews	68,000
		Middlesex	50,000
		New Kent	12,000
		Newport News city	3,080,000
		Norfolk City	957,000
		Northampton	277,000
		Northumberland	102,000
		Poquoson City	43,000
		Portsmouth city	427,000

State	Yards per State	County	Yards per County
Virginia		Prince George	2,000
(continued)		Richmond	20,000
		Southampton	9,000
		Suffolk City	142,000
		Surry	10,000
		Sussex	5,000
		Virginia Beach city	3,560,000
		Westmoreland	29,000
		Williamsburg city	20,000
		York	197,000
Virginia	11,382,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

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Hurricane Zoe 2008 Debris Model

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

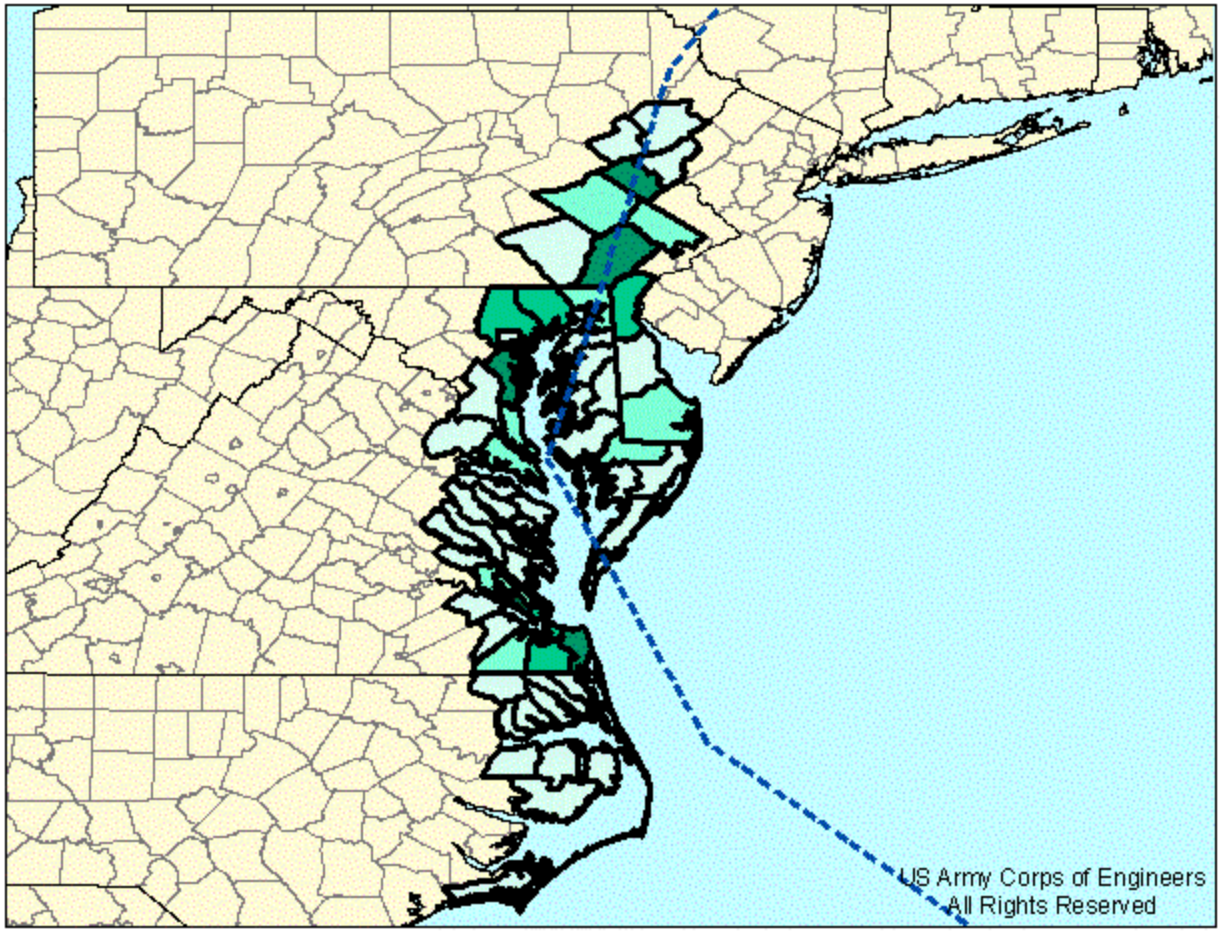
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Commodities Model

Landfall Expected In About **24** Hours

For Planning Purposes Only!



Post Landfall Ice/Water Model Results

Day One / Day Two / Day Three

VA – 48/95/191 Truckloads
MD – 28/55/109 Truckloads
PA – 18/35/70 Truckloads
DE – 6/12/24 Truckloads
NC – 5/9/17 Truckloads

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Forecast Track

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC ***(1100 EDT 05/06/2008)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Commodities Model	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	Page 5 of 32

US Army Corps of Engineers

Hurricane Zoe 2008 Commodities Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
Delaware		Kent	1
		New Castle	17
		Sussex	6
Delaware	24		
Maryland		Anne Arundel	27
		Baltimore	12
		Baltimore City	1
		Calvert	8
		Caroline	3
		Cecil	8
		Charles	1
		Dorchester	3
		Harford	12
		Kent	2
		Prince George's	2
		Queen Anne's	4
		Somerset	3
		St Mary's	8
		Talbot	3
		Wicomico	8
		Worcester	4
Maryland	109		
North Carolina		Camden	1
		Carteret	1
		Chowan	1
		Currituck	2
		Dare	3
		Gates	1
		Hyde	1

State	Truckloads per State	County	Truckloads per County
North Carolina		Pasquotank	4
(continued)		Perquimans	1
		Tyrrell	1
		Washington	1
North Carolina	17		
Pennsylvania		Berks	9
		Carbon	2
		Chester	25
		Lancaster	2
		Lehigh	21
		Monroe	2
		Montgomery	6
		Northampton	3
Pennsylvania	70		
Virginia		Accomack	4
		Chesapeake city	18
		Essex	1
		Gloucester	4
		Hampton City	12
		Isle Of Wight	3
		James City	5
		King And Queen	1
		King William	1
		Lancaster	1
		Mathews	1
		Middlesex	1
		New Kent	1

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Zoe 2008 Commodities Model

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Commodities Model

Landfall Expected In About **24** Hours

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
Virginia		Newport News city	54
(continued)		Norfolk City	19
		Northampton	2
		Northumberland	2
		Poquoson City	1
		Portsmouth city	9
		Richmond	1
		Suffolk City	7
		Surry	1
		Virginia Beach city	35
		Westmoreland	1
		Williamsburg city	1
		York	5
Virginia	191		

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

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Hurricane Zoe 2008 Commodities Model

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Siemsen, LRL 1130 EDT 05/06/2008

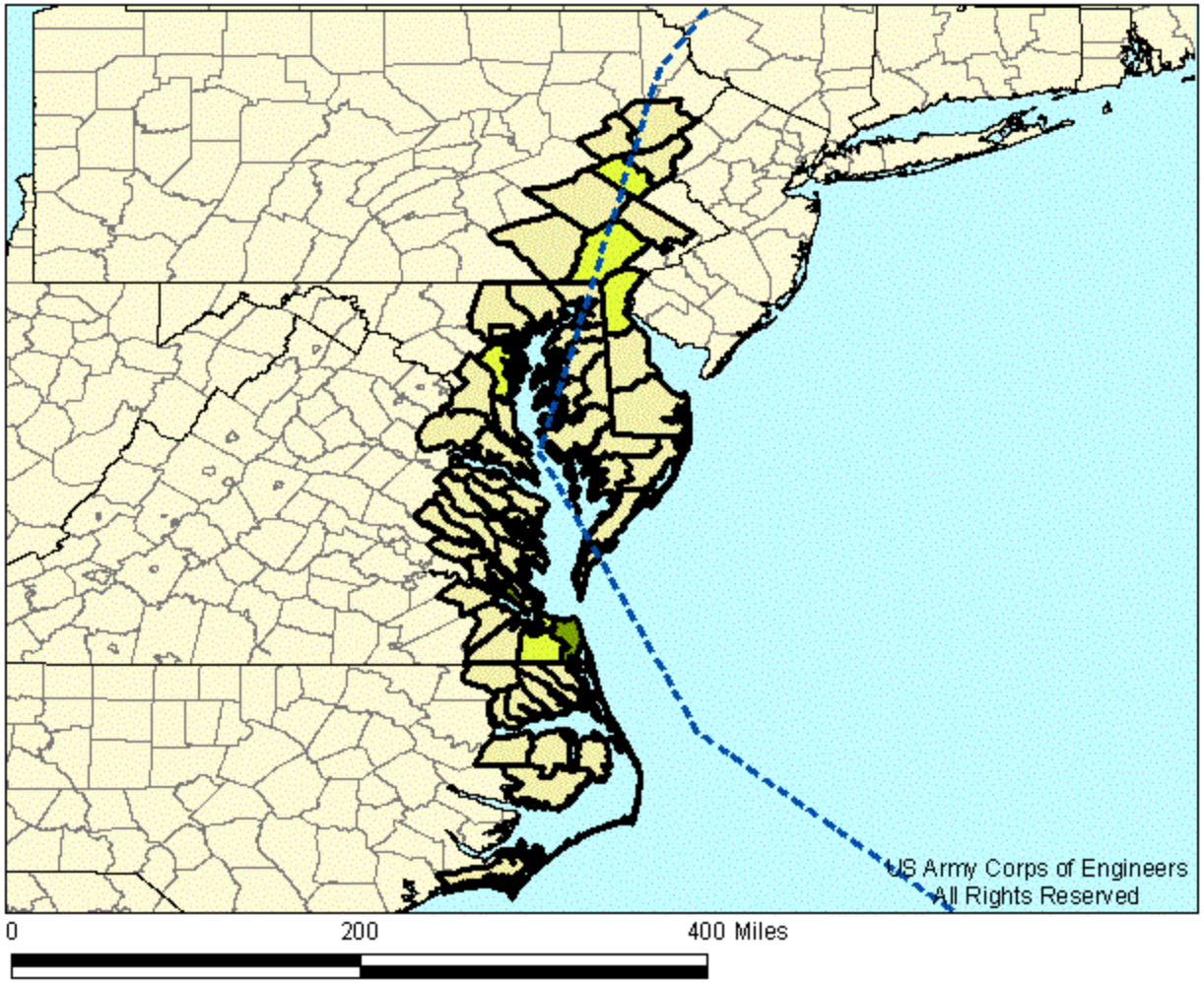
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Temporary Roofing Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Temporary Roofing Model Results

Virginia - 31,800
Maryland - 15,500
Pennsylvania - 9,700
Delaware - 3,100
North Carolina - 2,200

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Forecast Track

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast. Temporary roofing is based on 3% in CAT 1, 6% in CAT 2 and 10% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Roofing Model

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Temporary Roofing Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Delaware		Kent	100
		New Castle	2,200
		Sussex	800
Delaware	3,100		
Maryland		Anne Arundel	3,700
		Baltimore	1,800
		Baltimore City	< 100
		Calvert	1,000
		Caroline	400
		Cecil	1,100
		Charles	< 100
		Dorchester	600
		Harford	1,700
		Kent	300
		Prince George's	200
		Queen Anne's	600
		Somerset	600
		St Mary's	1,200
		Talbot	500
		Wicomico	1,100
		Worcester	700
Maryland	15,500		
North Carolina		Camden	200
		Carteret	< 100
		Chowan	< 100
		Currituck	500
		Dare	800
		Gates	< 100
		Hyde	< 100

State	House Units per State	County	House Units per County
North Carolina		Pasquotank	500
(continued)		Perquimans	200
		Tyrrell	< 100
		Washington	< 100
North Carolina	2,200		
Pennsylvania		Berks	1,200
		Carbon	300
		Chester	3,300
		Lancaster	200
		Lehigh	3,100
		Monroe	200
		Montgomery	900
		Northampton	500
Pennsylvania	9,700		
Virginia		Accomack	1,200
		Chesapeake city	2,400
		Essex	< 100
		Gloucester	500
		Hampton City	1,700
		Isle Of Wight	400
		James City	700
		King And Queen	< 100
		King William	< 100
		Lancaster	200
		Mathews	200
		Middlesex	200
		New Kent	< 100

Temporary roofing is based on 3% in CAT 1, 6% in CAT 2 and 10% in CAT 3.

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Hurricane Zoe 2008 Roofing Model

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Temporary Roofing Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Virginia		Newport News city	8,800
(continued)		Norfolk City	2,600
		Northampton	600
		Northumberland	300
		Poquoson City	200
		Portsmouth city	1,200
		Richmond	< 100
		Suffolk City	900
		Surry	< 100
		Virginia Beach city	8,600
		Westmoreland	200
		Williamsburg city	200
		York	700
Virginia	31,800		

Temporary roofing is based on 3% in CAT 1, 6% in CAT 2 and 10% in CAT 3.

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Hurricane Zoe 2008 Roofing Model

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

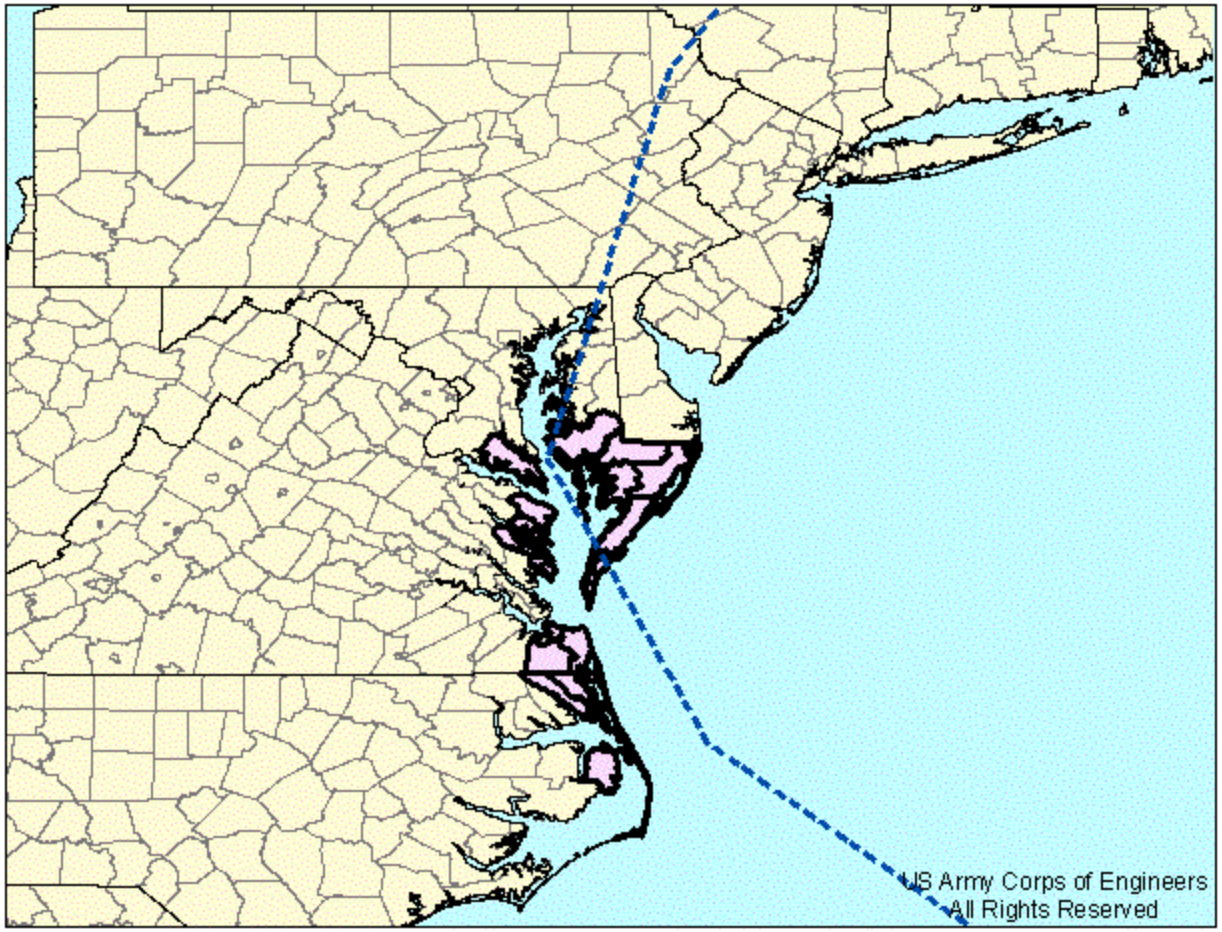
Sources:
HURREVAC
LRL-DEBRIS

Hurricane Zoe 2008 Temporary Housing Model

US Army Corps of Engineers

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Temporary Housing Model Results

Virginia - 1,800
North Carolina - 200
Maryland - 200

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Forecast Track

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast. Temporary housing is based on 1% in CAT 2 and 3% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Housing Model	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	Page 11 of 32

US Army Corps of Engineers

Hurricane Zoe 2008 Temporary Housing Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Maryland		Dorchester	< 100
		Somerset	200
		St Mary's	< 100
		Wicomico	< 100
		Worcester	< 100
Maryland	200		
North Carolina		Camden	< 100
		Currituck	< 100
		Dare	200
North Carolina	200		
Virginia		Accomack	300
		Chesapeake city	< 100
		Lancaster	< 100
		Mathews	< 100
		Middlesex	< 100
		Norfolk City	< 100
		Northampton	200
		Northumberland	< 100
		Virginia Beach city	1,300
Virginia	1,800		

Temporary housing is based on 1% in CAT 2 and 3% in CAT 3.

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Hurricane Zoe 2008 Housing Model

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Siemsen, LRL 1130 EDT 05/06/2008

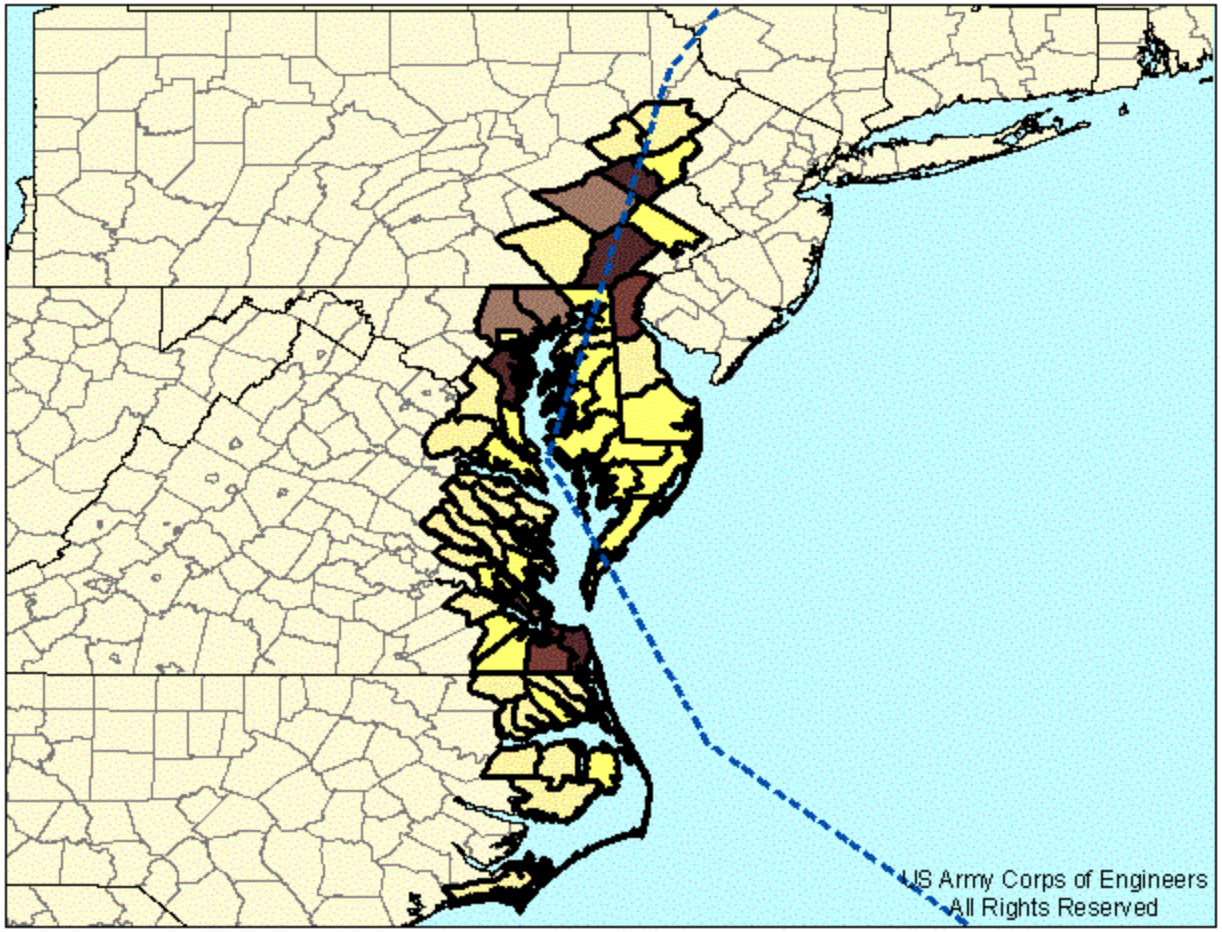
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Population Model

Landfall Expected In About **24** Hours

For Planning Purposes Only!



Post Landfall Population Model Results

Virginia - 2,228,000
Maryland - 1,272,000
Pennsylvania - 841,000
Delaware - 277,000
North Carolina - 147,000

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Forecast Track

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2006 values).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Population Model	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Zoe 2008 Population Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Population per State	County	Population per County
Delaware		Kent	10,000
		New Castle	201,000
		Sussex	66,000
Delaware	277,000		
Maryland		Anne Arundel	327,000
		Baltimore	147,000
		Baltimore City	4,000
		Calvert	89,000
		Caroline	33,000
		Cecil	99,000
		Charles	10,000
		Dorchester	32,000
		Harford	148,000
		Kent	20,000
		Prince George's	17,000
		Queen Anne's	47,000
		Somerset	26,000
		St Mary's	99,000
		Talbot	37,000
		Wicomico	93,000
		Worcester	44,000
Maryland	1,272,000		
North Carolina		Camden	10,000
		Carteret	< 1,000
		Chowan	7,000
		Currituck	24,000
		Dare	34,000
		Gates	5,000
		Hyde	5,000

State	Population per State	County	Population per County
North Carolina		Pasquotank	40,000
(continued)		Perquimans	13,000
		Tyrrell	5,000
		Washington	4,000
North Carolina	147,000		
Pennsylvania		Berks	101,000
		Carbon	19,000
		Chester	311,000
		Lancaster	21,000
		Lehigh	262,000
		Monroe	15,000
		Montgomery	74,000
		Northampton	38,000
Pennsylvania	841,000		
Virginia		Accomack	40,000
		Chesapeake city	221,000
		Essex	6,000
		Gloucester	39,000
		Hampton City	146,000
		Isle Of Wight	28,000
		James City	56,000
		King And Queen	5,000
		King William	4,000
		Lancaster	12,000
		Mathews	10,000
		Middlesex	11,000
		New Kent	3,000

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Zoe 2008 Population Model

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Population Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Population per State	County	Population per County
Virginia		Newport News city	670,000
(continued)		Norfolk City	229,000
		Northampton	14,000
		Northumberland	13,000
		Poquoson City	12,000
		Portsmouth city	102,000
		Richmond	9,000
		Suffolk City	76,000
		Surry	3,000
		Virginia Beach city	436,000
		Westmoreland	9,000
		Williamsburg city	12,000
		York	62,000
Virginia	2,228,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

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or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Zoe 2008 Population Model

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

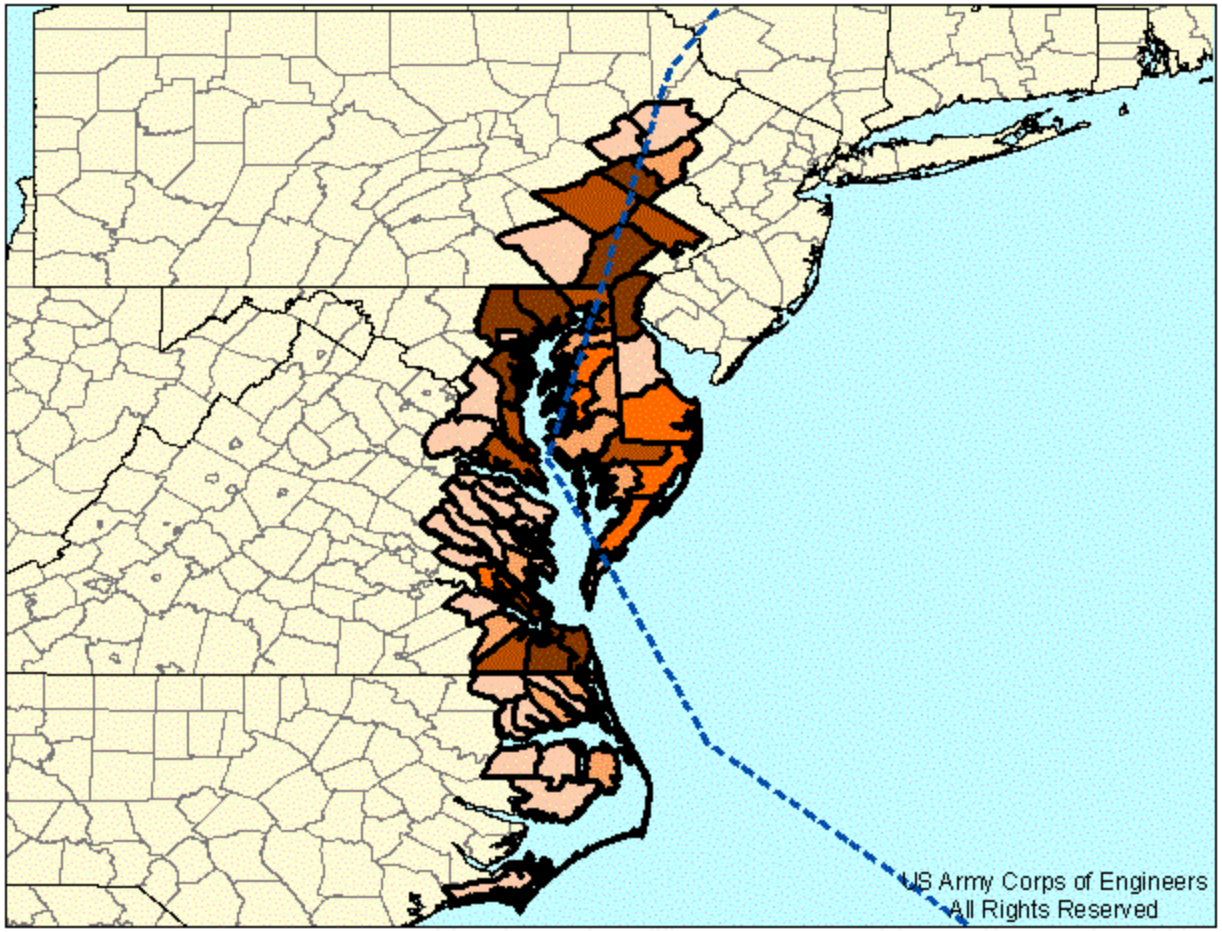
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Households Model

Landfall Expected In About **24** Hours

For Planning Purposes Only!



Post Landfall Households Model Results

Virginia - 871,000
Maryland - 482,000
Pennsylvania - 314,000
Delaware - 101,000
North Carolina - 61,000

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Forecast Track

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2006 values).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Households Model	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Zoe 2008 Households Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Households per State	County	Households per County
Delaware		Kent	4,000
		New Castle	72,000
		Sussex	25,000
Delaware	101,000		
Maryland		Anne Arundel	121,000
		Baltimore	59,000
		Baltimore City	2,000
		Calvert	31,000
		Caroline	13,000
		Cecil	36,000
		Charles	3,000
		Dorchester	14,000
		Harford	55,000
		Kent	8,000
		Prince George's	6,000
		Queen Anne's	18,000
		Somerset	9,000
		St Mary's	36,000
		Talbot	16,000
		Wicomico	36,000
		Worcester	19,000
Maryland	482,000		
North Carolina		Camden	4,000
		Carteret	< 1,000
		Chowan	3,000
		Currituck	10,000
		Dare	15,000
		Gates	2,000
		Hyde	2,000

State	Households per State	County	Households per County
North Carolina		Pasquotank	15,000
(continued)		Perquimans	6,000
		Tyrrell	2,000
		Washington	2,000
North Carolina	61,000		
Pennsylvania		Berks	37,000
		Carbon	8,000
		Chester	110,000
		Lancaster	7,000
		Lehigh	103,000
		Monroe	6,000
		Montgomery	28,000
		Northampton	15,000
Pennsylvania	314,000		
Virginia		Accomack	16,000
		Chesapeake city	78,000
		Essex	3,000
		Gloucester	15,000
		Hampton City	54,000
		Isle Of Wight	11,000
		James City	22,000
		King And Queen	2,000
		King William	2,000
		Lancaster	5,000
		Mathews	4,000
		Middlesex	5,000
		New Kent	< 1,000

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

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Hurricane Zoe 2008 Households Model

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Households Model

Landfall Expected In About **24** Hours

For Planning Purposes Only!

State	Households per State	County	Households per County
Virginia		Newport News city	293,000
(continued)		Norfolk City	85,000
		Northampton	6,000
		Northumberland	6,000
		Poquoson City	5,000
		Portsmouth city	39,000
		Richmond	3,000
		Suffolk City	28,000
		Surry	< 1,000
		Virginia Beach city	159,000
		Westmoreland	4,000
		Williamsburg city	4,000
		York	22,000
Virginia	871,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

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Hurricane Zoe 2008 Households Model

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

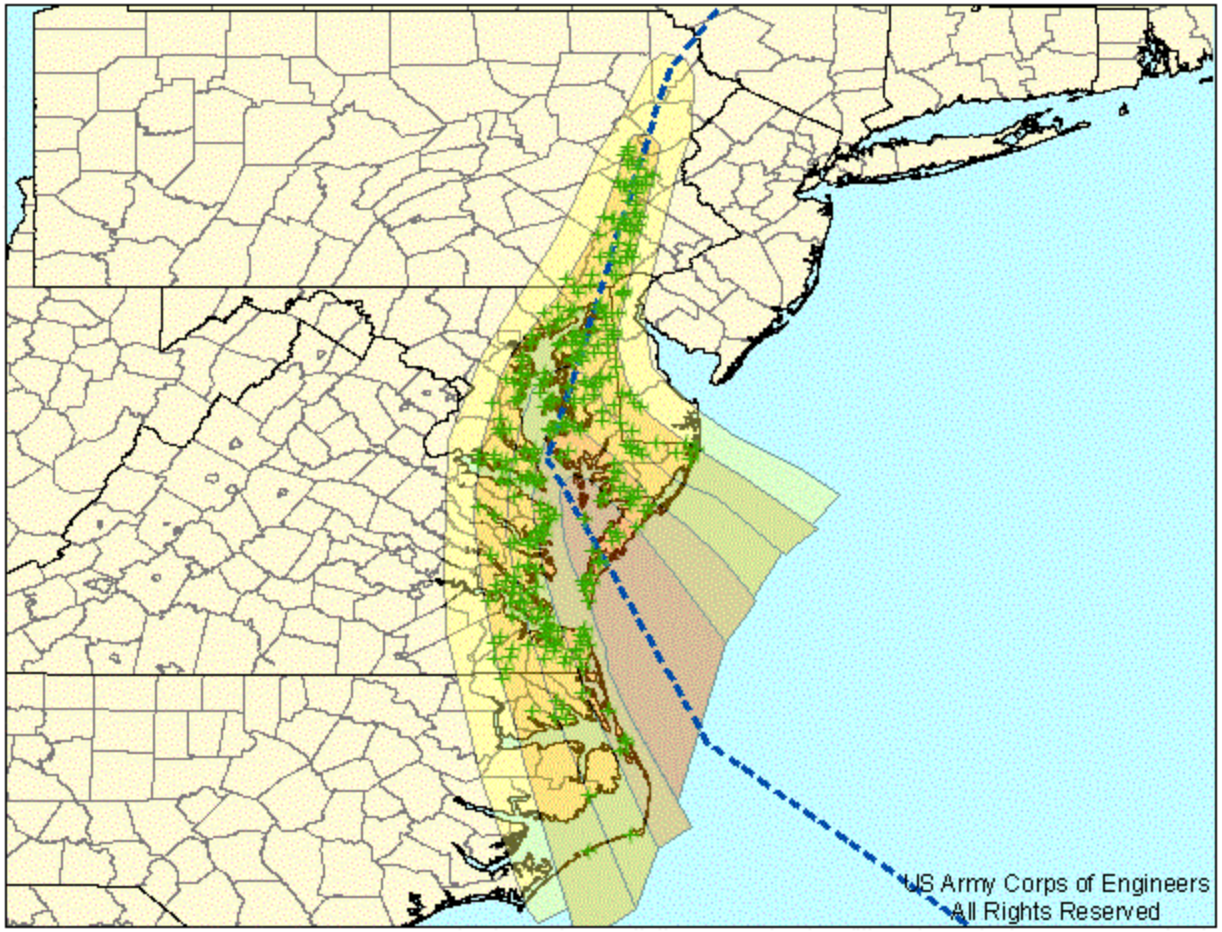
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Airports

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Most Probable Landfall Airports Inside Hurricane Force Winds

Maryland - 123
Virginia - 99
Pennsylvania - 53
North Carolina - 14
Delaware - 13

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast.

The number of airports included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

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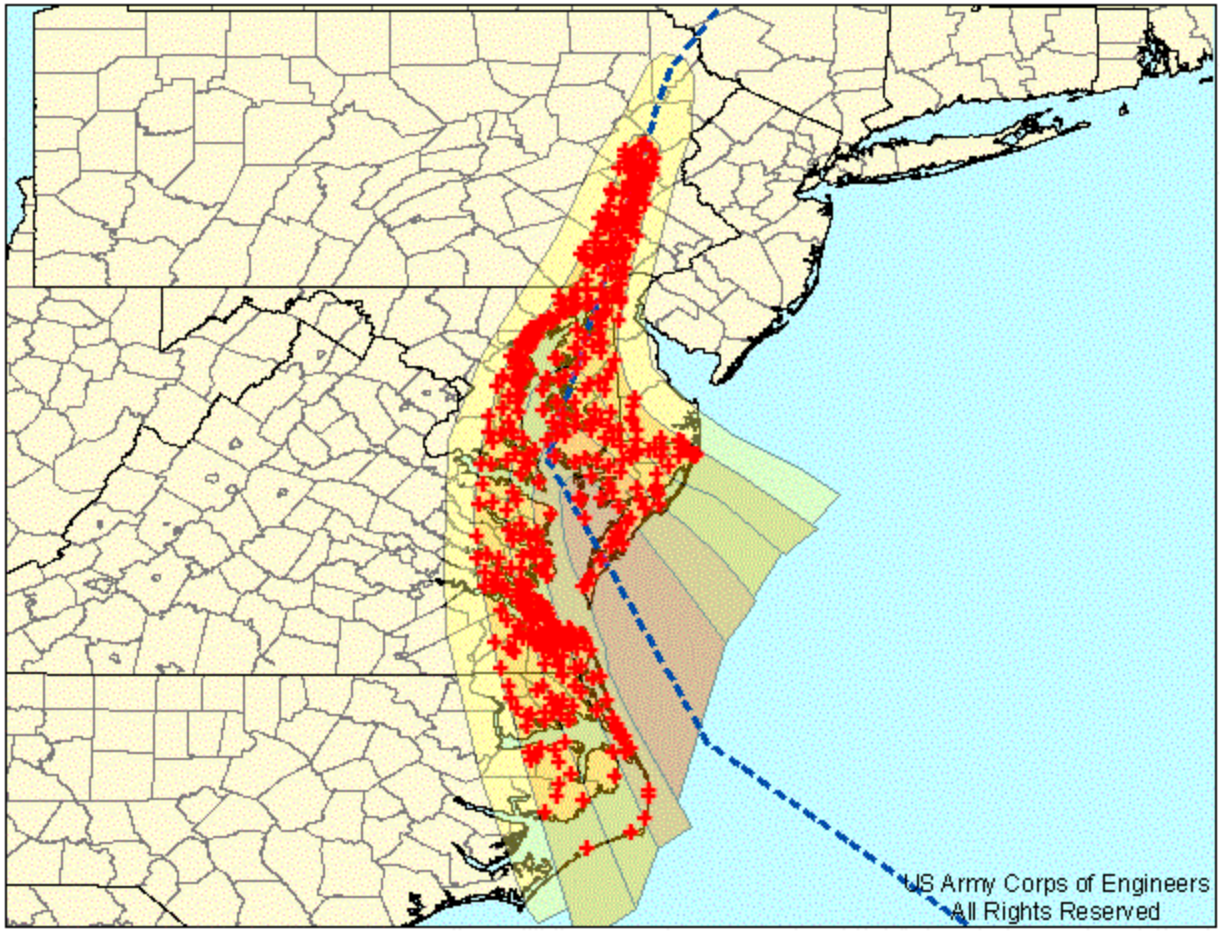
Hurricane Zoe 2008 Airports	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	Page 19 of 32

US Army Corps of Engineers

Hurricane Zoe 2008 Fire Stations

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Most Probable Landfall Fire Stations Inside Hurricane Force Winds

Maryland - 168
Virginia - 149
Pennsylvania - 106
North Carolina - 54
Delaware - 17

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast.

The number of fire stations included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

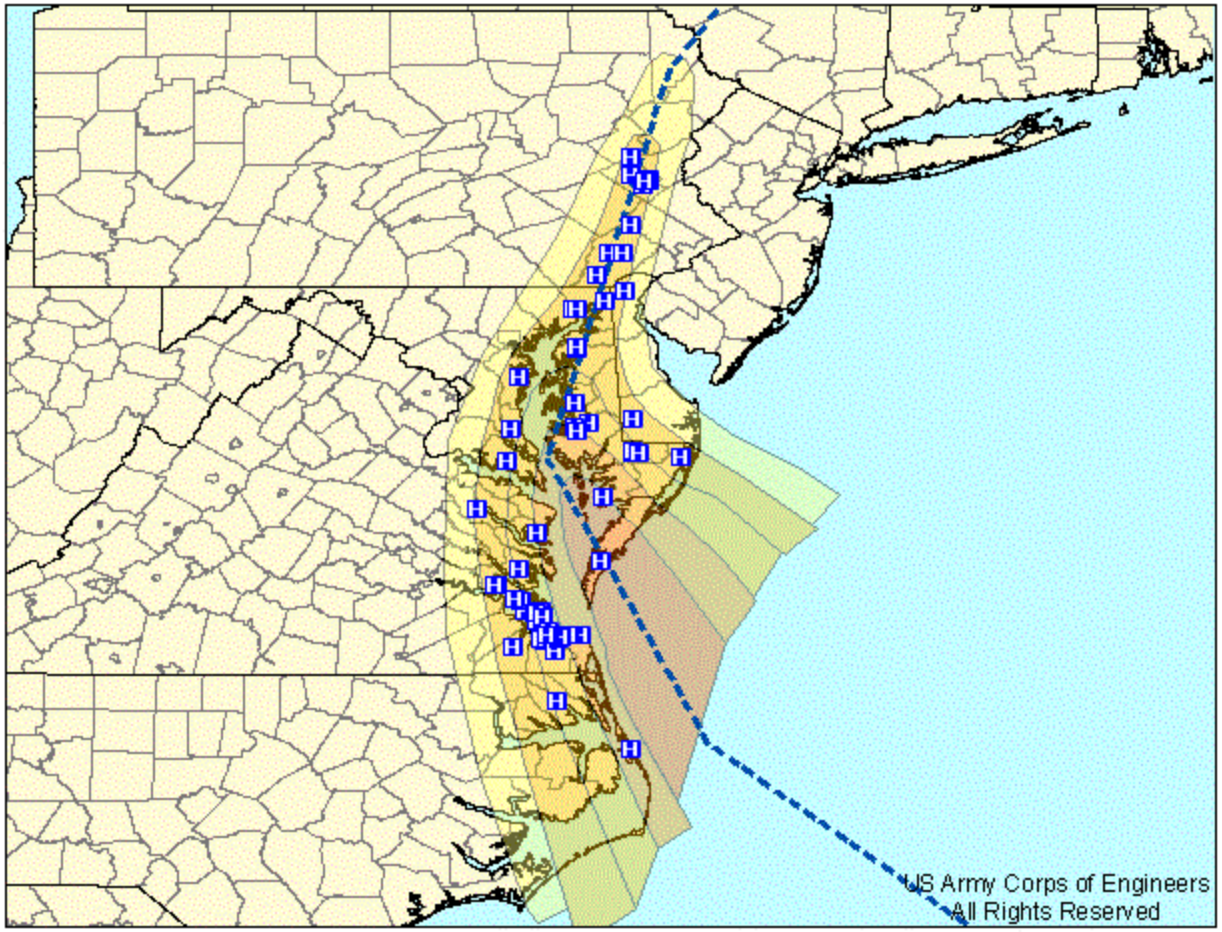
Hurricane Zoe 2008 Fire Stations	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	Page 20 of 32

US Army Corps of Engineers

Hurricane Zoe 2008 Hospitals

Landfall Expected In About 24 Hours

For Planning Purposes Only!



0 200 400 Miles

H Hospitals

Forecast Track

Most Probable Landfall Hospitals Inside Hurricane Force Winds

Virginia - 32
Maryland - 18
Pennsylvania - 14
North Carolina - 2
Delaware - 2

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast.

The number of hospitals included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

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Hurricane Zoe 2008 Hospitals	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Zoe 2008
Hospitals Within CAT 3
Landfall Expected In About 24 Hours

For Planning Purposes Only!

Name	Address	City	State
MCCREADY FOUNDATION INC	201 HALL HWY	CRISFIELD	MD
SHORE MEMORIAL HOSPITAL	9507 HOSPITAL AVE	NASSAWADOX	VA

The number of hospitals included in this output are those that would included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program). They are broken out by interpolated wind damage areas for easier review of assets and facilities.

Details about this model may be obtained at http://www.englink.usace.army.mil
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Hurricane Zoe 2008 Hospitals

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008
Hospitals Within CAT 2
Landfall Expected In About 24 Hours

For Planning Purposes Only!

Name	Address	City	State
CHESAPEAKE YOUTH CENTER	821 FIELDCREST RD	CAMBRIDGE	MD
EASTERN SHORE HOSPITAL CTR	5262 WOODS RD	CAMBRIDGE	MD
RAPPAHANNOCK GENERAL HOSP	101 HARRIS RD	KILMARNOCK	VA
SENTARA BAYSIDE HOSPITAL	800 INDEPENDENCE BLVD	VIRGINIA BEACH	VA
SENTARA VA BEACH GENERAL HOSP	1060 FIRST COLONIAL RD	VIRGINIA BEACH	VA
THE OUTER BANKS HOSPITAL	4800 S CROATAN HWY	NAGS HEAD	NC
VIRGINIA BEACH PSYCH CENTER	1100 FIRST COLONIAL RD	VIRGINIA BEACH	VA

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Hurricane Zoe 2008 Hospitals

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Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008
Hospitals Within CAT 1

Landfall Expected In About 24 Hours

For Planning Purposes Only!

Name	Address	City	State
ALBEMARLE HOSPITAL	1144 N ROAD ST	ELIZABETH CITY	NC
ANNE ARUNDEL MEDICAL CENTER	2001 MEDICAL PKWY	ANNAPOLIS	MD
ATLANTIC GENERAL HOSPITAL	9733 HEALTHWAY DR	BERLIN	MD
BLUE MOUNTAIN HLTH SYS PALMERTON CAMP	135 LAFAYETTE AVE	PALMERTON	PA
BON SECOURS MARYVIEW MED CTR	3636 HIGH ST	PORTSMOUTH	VA
BRANDYWINE HOSPITAL	201 REECEVILLE RD	COATESVILLE	PA
CALVERT MEMORIAL HOSPITAL	100 HOSPITAL RD	PRINCE FREDERICK	MD
CHESAPEAKE GENERAL HOSP	736 BATTLEFIELD BLVD N	CHESAPEAKE	VA
CHESTER RIVER HOSPITAL CENTER	100 BROWN ST	CHESTERTOWN	MD
CHILDRENS HOSPITAL OF KINGS DAUGHTERS	601 CHILDRENS LN	NORFOLK	VA
CHRISTIANA CARE HLTH SYSTEM	4755 OGLETOWN STANTON RD	NEWARK	DE
DEERS HEAD HOSPITAL CENTER	351 DEERS HEAD HOSPITAL RD	SALISBURY	MD
DEPAUL MEDICAL CENTER	150 KINGSLEY LN	NORFOLK	VA
DORCHESTER GENERAL HOSPITAL	300 BYRN ST	CAMBRIDGE	MD
EASTERN STATE HOSPITAL	4601 IRONBOUND RD	WILLIAMSBURG	VA
EASTON MEMORIAL HOSPITAL	219 S WASHINGTON ST	EASTON	MD
FHC HEALTH SYSTEMS	240 CORPORATE BLVD	NORFOLK	VA
GOOD SHEPHERD REHAB HOSPITAL	501 SAINT JOHN ST	ALLENTOWN	PA
GOOD SHEPHERD REHAB HOSPITAL	543 ST JOHN ST	ALLENTOWN	PA
GOOD SHEPHERD SPECIALTY HOSPITAL	1200 S CEDAR CREST BLVD	ALLENTOWN	PA
HARFORD MEMORIAL HOSPITAL	501 S UNION AVE	HAVRE DE GRACE	MD
HEALTHSOUTH CHESAPEAKE REHAB HOSP	220 TILGHMAN RD	SALISBURY	MD
HOSP FOR EXTENDED RECOVERY	600 GRESHAM DR	NORFOLK	VA
JENNERSVILLE REGIONAL HOSP	1015 W BALTIMORE PIKE	WEST GROVE	PA
KIDSPEACE	5300 KIDSPEACE DR	OREFIELD	PA

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Hurricane Zoe 2008 Hospitals

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008
Hospitals Within CAT 1
Landfall Expected In About 24 Hours

For Planning Purposes Only!

Name	Address	City	State
LAKE TAYLOR HOSPITAL	1309 KEMPSVILLE RD	NORFOLK	VA
LEHIGH VALLEY HOSPITAL-CHEW CAMPUS	17TH & CHEW STS	ALLENTOWN	PA
LEHIGH VLY HOSP - CEDAR CREST CAMPUS	1200 S CEDAR CREST BLVD	ALLENTOWN	PA
LOUISE OBICI MEM HOSPITAL	2800 GODWIN BLVD	SUFFOLK	VA
MARY IMMACULATE HOSPITAL	2 BERNARDINE DR	NEWPORT NEWS	VA
MCDONALD ARMY COMMUNITY HOSP	576 JEFFERSON AVE	FORT EUSTIS	VA
NANTICOKE HOSPITAL	801 MIDDLEFORD RD	SEAFORD	DE
NAVAL MEDICAL CENTER	620 JOHN PAUL JONES CIR	PORTSMOUTH	VA
PENINSULA REGIONAL MEDICAL CENTER	100 E CARROLL ST	SALISBURY	MD
PERRY POINT VA MED CTR	CIRCLE DR	PERRY POINT	MD
PINES RES TREATMNT CTR	825 CRAWFORD PKWY	PORTSMOUTH	VA
PINES RES TRTMNT CTR/BRIGHTON	1801 PORTSMOUTH BLVD	PORTSMOUTH	VA
PINES RSDNTL TREATMENT CTR	860 KEMPSVILLE RD	NORFOLK	VA
POTTSTOWN MEMORIAL MEDICAL CTR	1600 E HIGH ST	POTTSTOWN	PA
RIVERSIDE BEHAVIORAL CENTER	2244 EXECUTIVE DR	HAMPTON	VA
RIVERSIDE REGIONAL MEDICAL CENTER	500 J CLYDE MORRIS BLVD	NEWPORT NEWS	VA
RIVERSIDE REHAB INSTITUTE	245 CHESAPEAKE AVE	NEWPORT NEWS	VA
RIVERSIDE TAPPAHANNOCK HOSP	618 HOSPITAL RD	TAPPAHANNOCK	VA
RIVERSIDE-WALTER REED HOSP	7519 HOSPITAL DR	GLOUCESTER	VA
SACRED HEART HOSP	421 W CHEW ST	ALLENTOWN	PA
SENTARA CAREPLEX HOSPITAL	3000 COLISEUM DR	HAMPTON	VA
SENTARA HEALTHCARE	6015 POPLAR HALL DR	NORFOLK	VA
SENTARA LEIGH MEMORIAL HOSPITAL	830 KEMPSVILLE RD	NORFOLK	VA
SENTARA NORFOLK GENERAL HOSPITAL	600 GRESHAM DR	NORFOLK	VA
ST JOHN VIANNEY CTR	151 WOODBINE RD	DOWNINGTOWN	PA

The number of hospitals included in this output are those that would included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program). They are broken out by interpolated wind damage areas for easier review of assets and facilities.

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Hurricane Zoe 2008 Hospitals

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008
Hospitals Within CAT 1
Landfall Expected In About 24 Hours

For Planning Purposes Only!

Name	Address	City	State
ST LUKES ALLENTOWN	1736 W HAMILTON ST	ALLENTOWN	PA
ST MARYS HOSPITAL	25500 POINT LOOKOUT RD	LEONARDTOWN	MD
UNION HOSPITAL	106 BOW ST	ELKTON	MD
UPPER SHR COMM MNTL HLTH CTR	300 SCHEELER RD	CHESTERTOWN	MD
USAF 1ST MEDICAL GROUP	45 PINE ST BLDG 257	LANGLEY AFB	VA
VA MEDICAL CTR	1400 BLACKHORSE HILL RD	COATESVILLE	PA
VETERANS AFFAIRS MEDICAL CTR	100 EMANCIPATION DR	HAMPTON	VA
WARWICK MANOR BHVRL HEALTH	3680 WARWICK RD	EAST NEW MARKET	MD
WILLIAMSBURG COMM HOSPITAL	301 MONTICELLO AVE	WILLIAMSBURG	VA

The number of hospitals included in this output are those that would included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program). They are broken out by interpolated wind damage areas for easier review of assets and facilities.

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Hurricane Zoe 2008 Hospitals

Generated By:
Siemsen, LRL 1130 EDT 05/06/2008

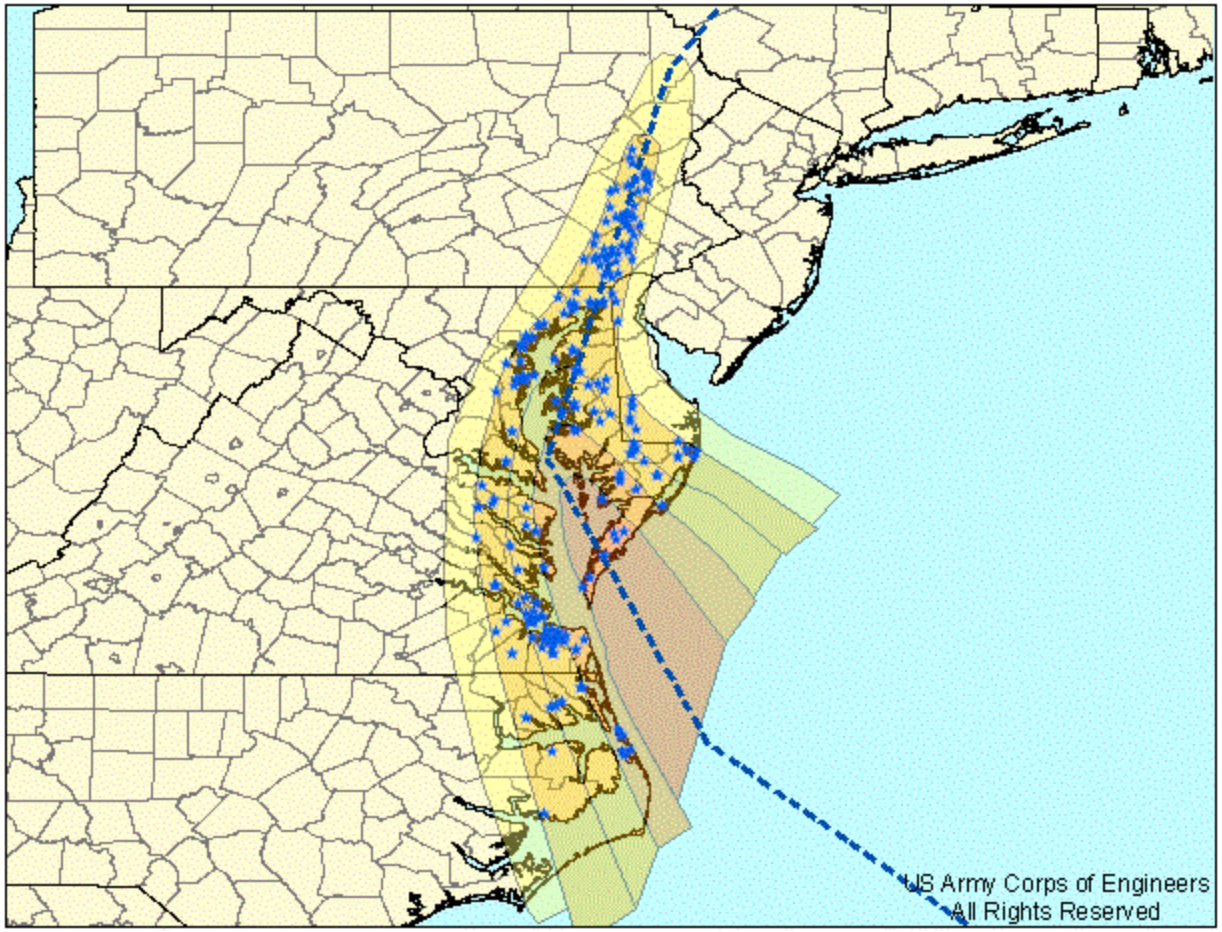
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Zoe 2008 Law Enforcement

Landfall Expected In About **24** Hours

For Planning Purposes Only!



Most Probable Landfall Law Enforcement Inside Hurricane Force Winds

Maryland - 78
Virginia - 68
Pennsylvania - 57
North Carolina - 17
Delaware - 10

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

★ Law Enforcement
Forecast Track

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast.

The number of law enforcement included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

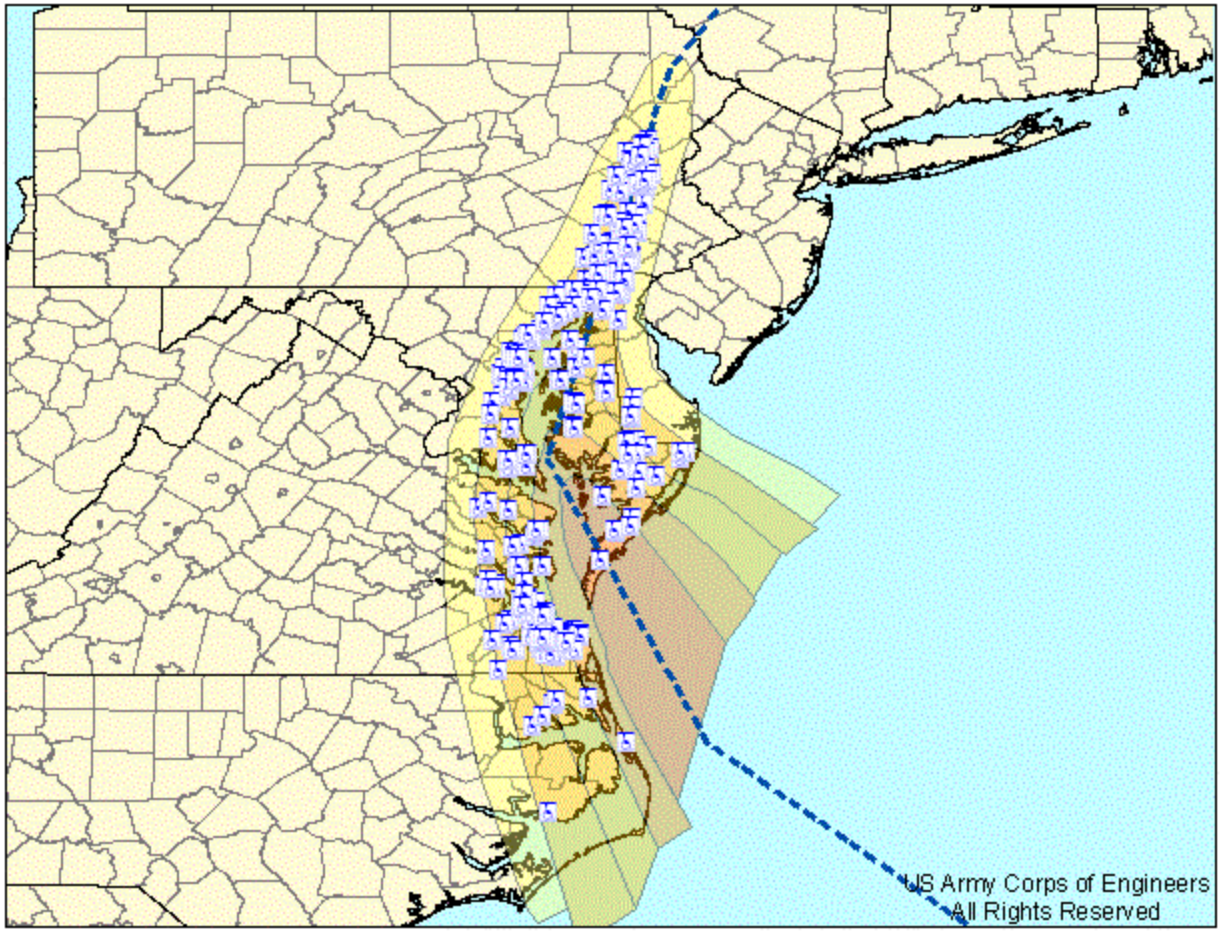
Hurricane Zoe 2008 Law Enforcement	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	Page 27 of 32

US Army Corps of Engineers

Hurricane Zoe 2008 Nursing Homes

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Most Probable Landfall Nursing Homes Inside Hurricane Force Winds

Virginia - 160
Maryland - 151
Pennsylvania - 124
Delaware - 28
North Carolina - 8

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast.

The number of nursing homes included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

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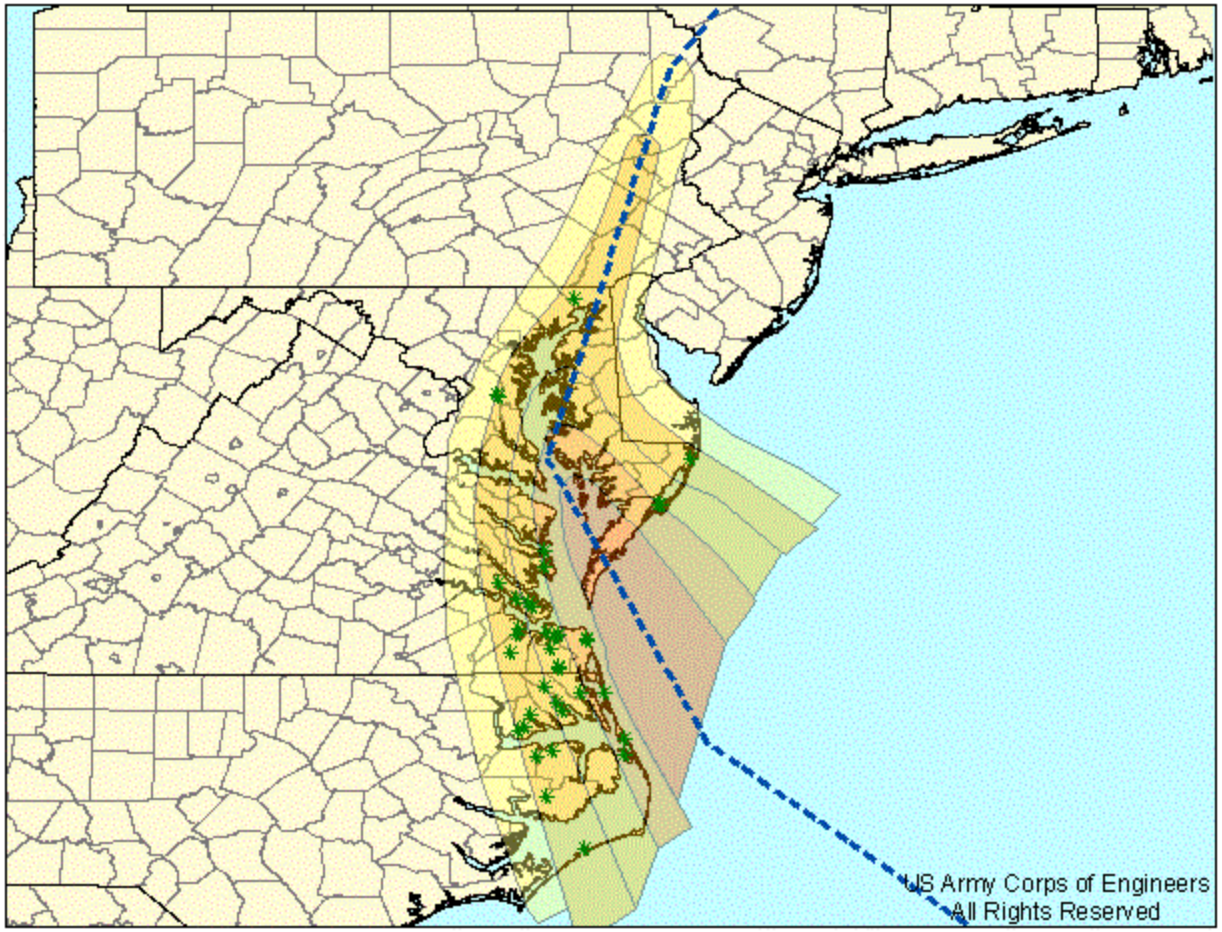
Hurricane Zoe 2008 Nursing Homes	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Zoe 2008 Potable Water

Landfall Expected In About **24** Hours

For Planning Purposes Only!



Most Probable Landfall Potable Water Inside Hurricane Force Winds

Virginia - 21
North Carolina - 15
Maryland - 4

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast.

The number of potable water included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

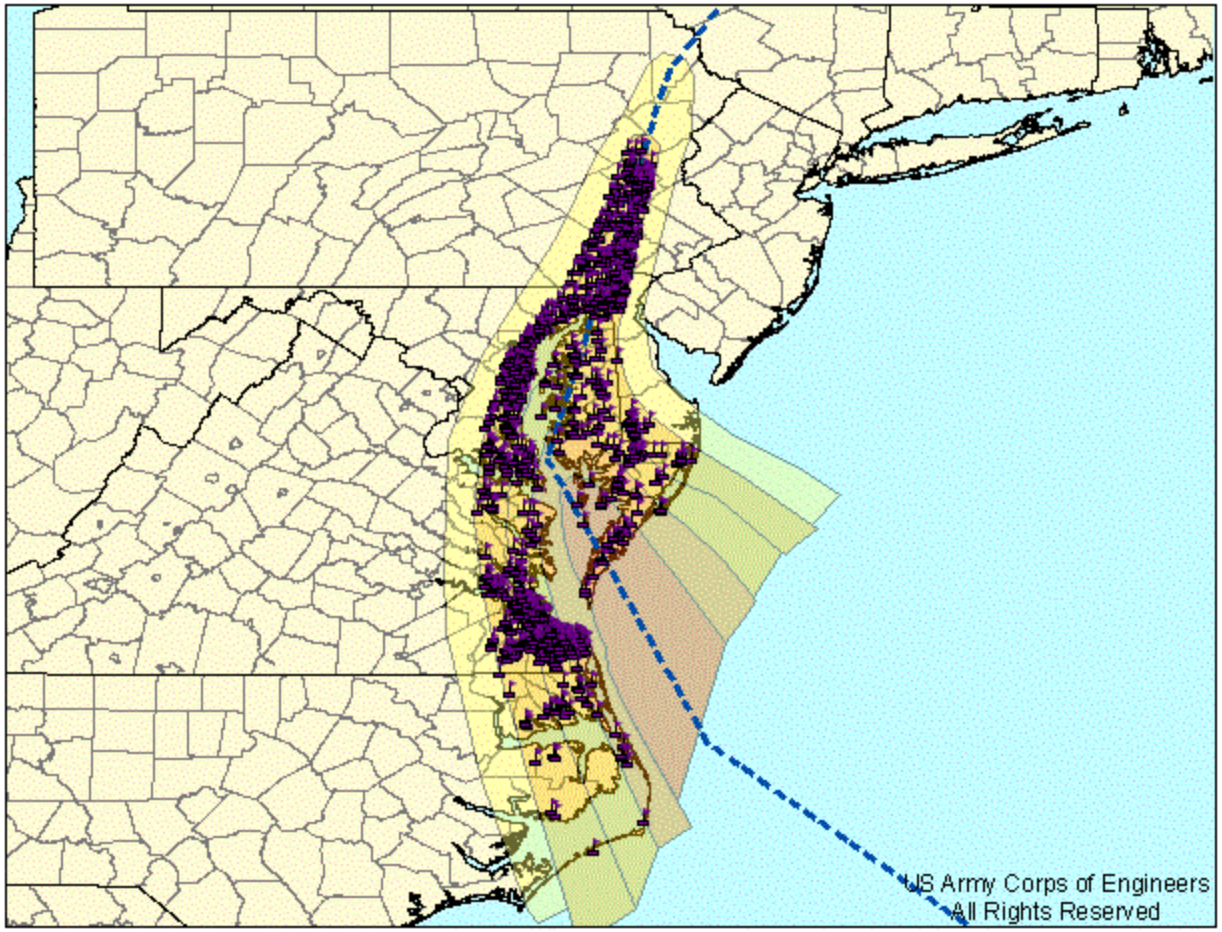
Hurricane Zoe 2008 Potable Water	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Zoe 2008 Schools

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Most Probable Landfall Schools Inside Hurricane Force Winds

Virginia - 524
Maryland - 449
Pennsylvania - 261
Delaware - 87
North Carolina - 48

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast.

The number of schools included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

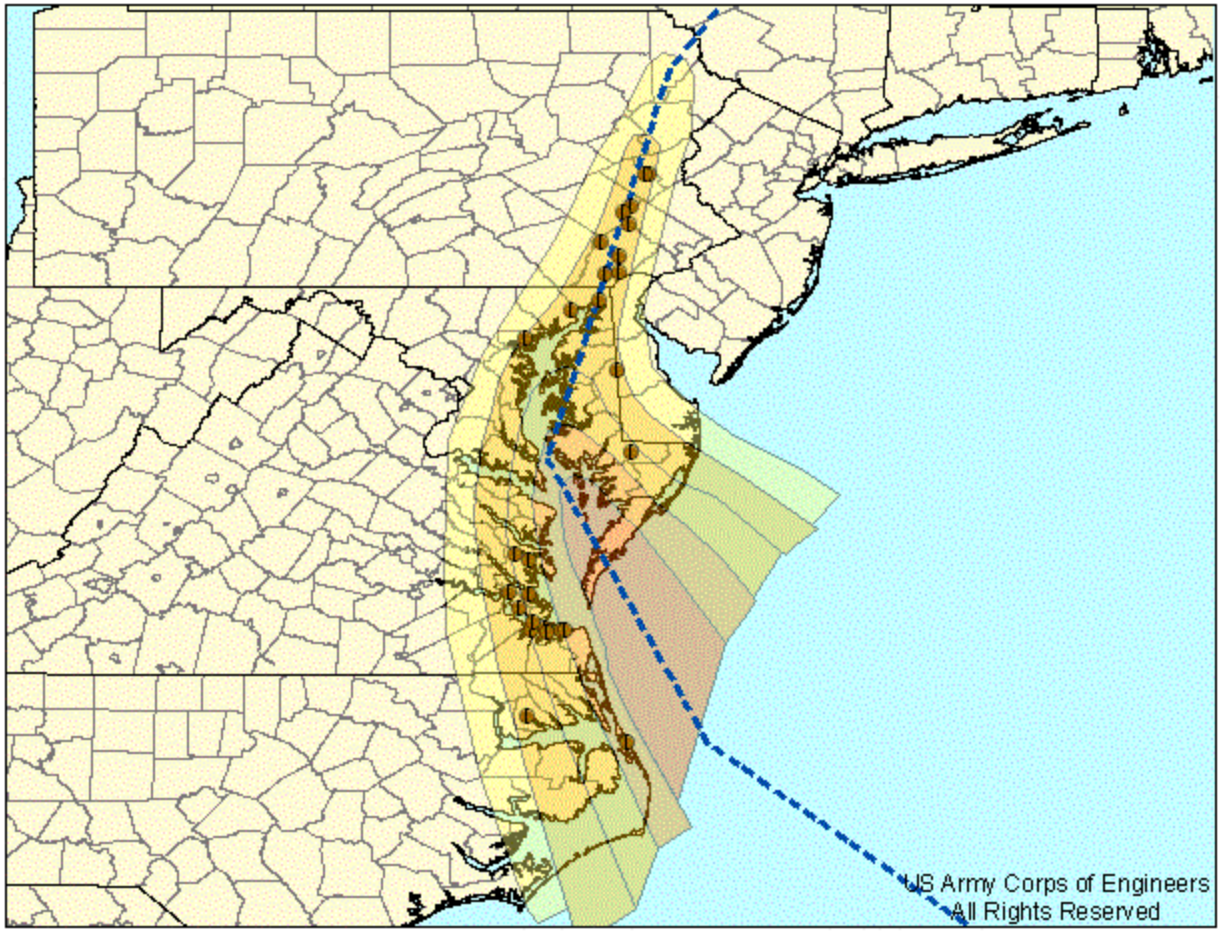
Hurricane Zoe 2008 Schools	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	Page 30 of 32

Hurricane Zoe 2008 Sewage Treatment Plants

US Army Corps of Engineers

Landfall Expected In About **24** Hours

For Planning Purposes Only!



Most Probable Landfall Sewage Treatment Plants Inside Hurricane Force Winds

Virginia - 12
Pennsylvania - 9
Maryland - 4
North Carolina - 2
Delaware - 1

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Sewage Treatment Plants
Forecast Track

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast.

The number of sewage treatment plants included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

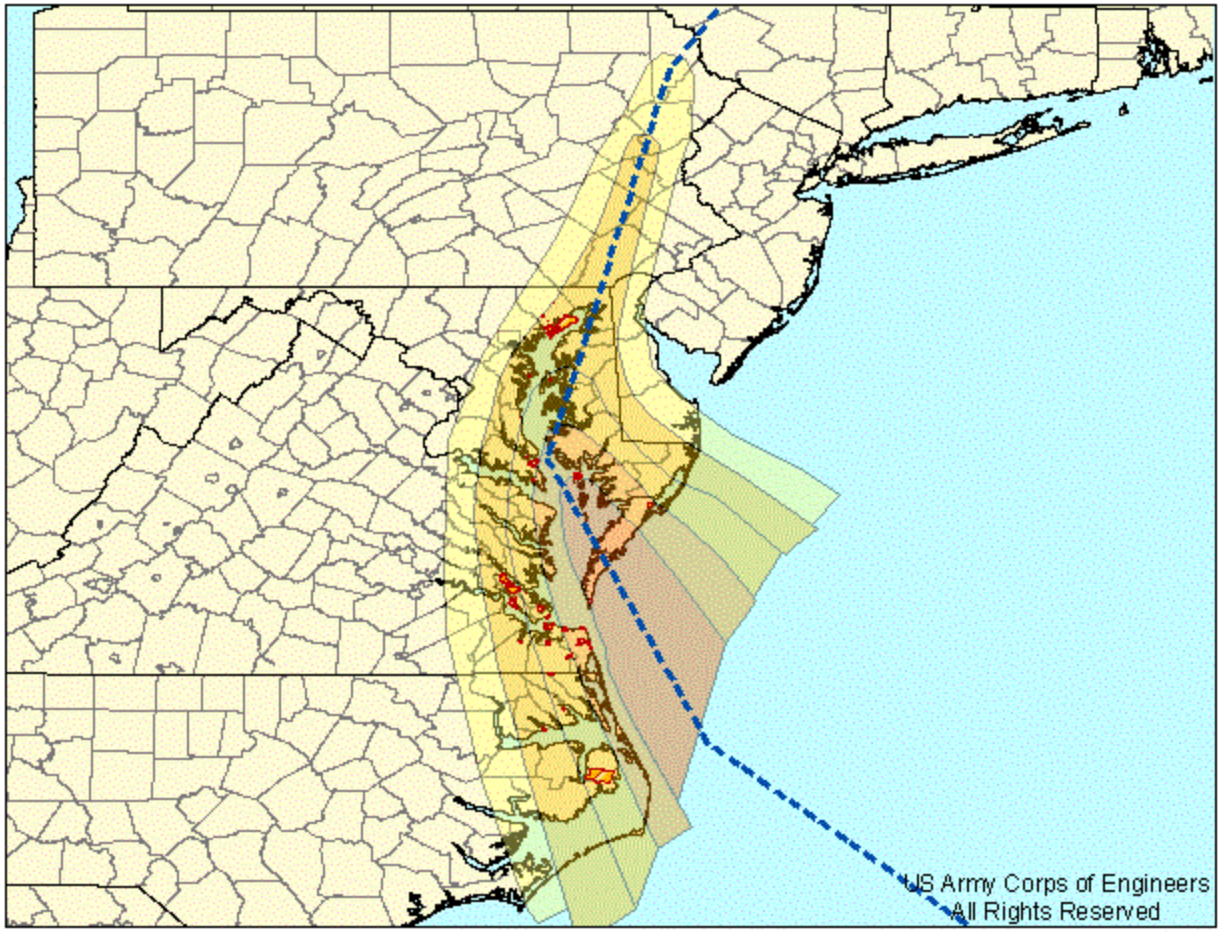
Hurricane Zoe 2008 Sewage Treatment Plants	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	Page 31 of 32

US Army Corps of Engineers

Hurricane Zoe 2008 Military Bases

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Most Probable Landfall Military Bases Inside Hurricane Force Winds

Virginia - 22
Maryland - 13
North Carolina - 4

Model results per County on following page

This model is based on a Category 3 storm making landfall on Virginia Coast.

Information provided on this page displays a Category 3 storm making landfall on Virginia Coast. These projections are based on information from the NHC (1100 EDT 05/06/2008) forecast.

The number of military bases included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Zoe 2008 Military Bases	
Generated By: Siemsen, LRL 1130 EDT 05/06/2008	
Sources: HURREVAC LRL-DEBRIS	Page 32 of 32